

EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD			LUMINAIRE			I.I.S.N.S. LEGEND			SIGNAL MOUNTINGS			PPB PHASE	REMARKS
	TYPE	H'GHT	M.A.	M.A.	H.P.S.V.		VEHICLE	PEDESTRIAN	AUDIBLE					
(A) 1-A(E)	10'						TV-1-T(E)	SP-1-T(E)	((P)) (E)			4(E)	INSTALL LEFT TURN LENSES	
(B) PED POST(E)													2(E)	
(C) 17-2-80(E)	30'	15'(E)	10'(E)	200W(E)	UNIVERSITY(E)	AVE 1800	MAS(E)	SV-1-T(E)	SP-1-T(E)	((C)) (E)				
(D) 1A(E)	7'							TP-1-T(E)	((C)) (E)				2(E)	
(E) 26-4-80(N)	30'	45'(N)	12'(N)	250W(R)	OTTAWA(R)	AVE 3800	MAS(N)	SV-1-T(R)	SP-1-T(R)	((P)) (R)			8(R)	VEHICLE HEADS, PEDESTRIAN HEAD, I.I.S.N.S., PPB AND LUMINAIRE TO NEW POLE. 19-4-80 POLE AND PROVIDE NEW EQUIPMENT AS INDICATED.
(F) 15(N)	30'	12'(N)	250W(N)					SV-1-T(N)	SP-1-T(R)	((P)) (R)			8(R)	SEE NOTE 6 AND INSTALL LEFT TURN LENSES
(G) 17-2-80(E)	30'	15'(E)	10'(E)	200W(E)	UNIVERSITY(E)	AVE 1800	MAS(E)	SV-1-T(E)	SP-1-T(E)	((C)) (E)			6(E)	
(H) 1-A(E)	7'							TP-1-T(E)	((C)) (E)				6(E)	
(I) 26-4-80(N)	30'	40'(N)	12'(N)	250W(R)	OTTAWA(R)	AVE 3200	MAS(N)	SV-1-T(R)	SP-1-T(R)	((P)) (R)			4(R)	VEHICLE HEADS, PEDESTRIAN HEAD, I.I.S.N.S., PPB AND LUMINAIRE TO NEW POLE. 19-4-80 POLE AND PROVIDE NEW EQUIPMENT AS INDICATED.

(E)=EXISTING (N)=NEW (R)=RELOCATE

NOTES:

- NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
- ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL.
- ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
- EQUIPMENT NOT TO BE REUSED SHALL BE SALVAGED.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
- VEHICLE HEAD, PEDESTRIAN HEAD, AUDITORY PEDESTRIAN SIGNAL AND PPB TO NEW POLE. 1A POLE AND OTHER EQUIPMENT AND PROVIDE NEW EQUIPMENT AS INDICATED.

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS												
		1	2	3	4	5	6	7	8	9				
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	-	-	-	2	2	1	1	1	1	-	-	-	-
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 1		-	-	-	1	1	1	-	-	-	-	-	-	-
PHASE 2		2	2	2	2	2	2	1	-	-	-	-	-	-
PHASE 3		-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 4		-	-	-	1	1	1	1	1	1	-	-	-	-
PHASE 5		1	1	1	1	1	1	-	-	-	-	-	-	-
PHASE 6		-	-	-	2	2	2	-	-	-	-	-	-	-
PHASE 7		-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 8		-	-	-	1	1	-	-	-	-	-	-	-	-
TOTALS		3	3	4	8	4	4	1	1	1	-	-	-	-
INTERCONNECT CABLE	#19	-	-	-	1	-	-	-	-	-	-	-	-	-
I.I.S.N.S.	#12	-	2	2	-	2	2	2	2	2	2	2	2	2
LUMINAIRES	#8	-	2	2	-	2	2	2	2	2	2	2	2	2
SIGNAL SERVICE	#6	-	-	-	2	2	-	-	-	-	-	-	-	-
CONDUIT SIZE		2"	2.5"	3"	2-3"	3.5"	3"	2.5"	2"	2"				
(E)=EXISTING (N)=NEW		(E)	(E)	(N)	(N)	(N)	(N)	(N)	(E)	(E)				

NOTE:

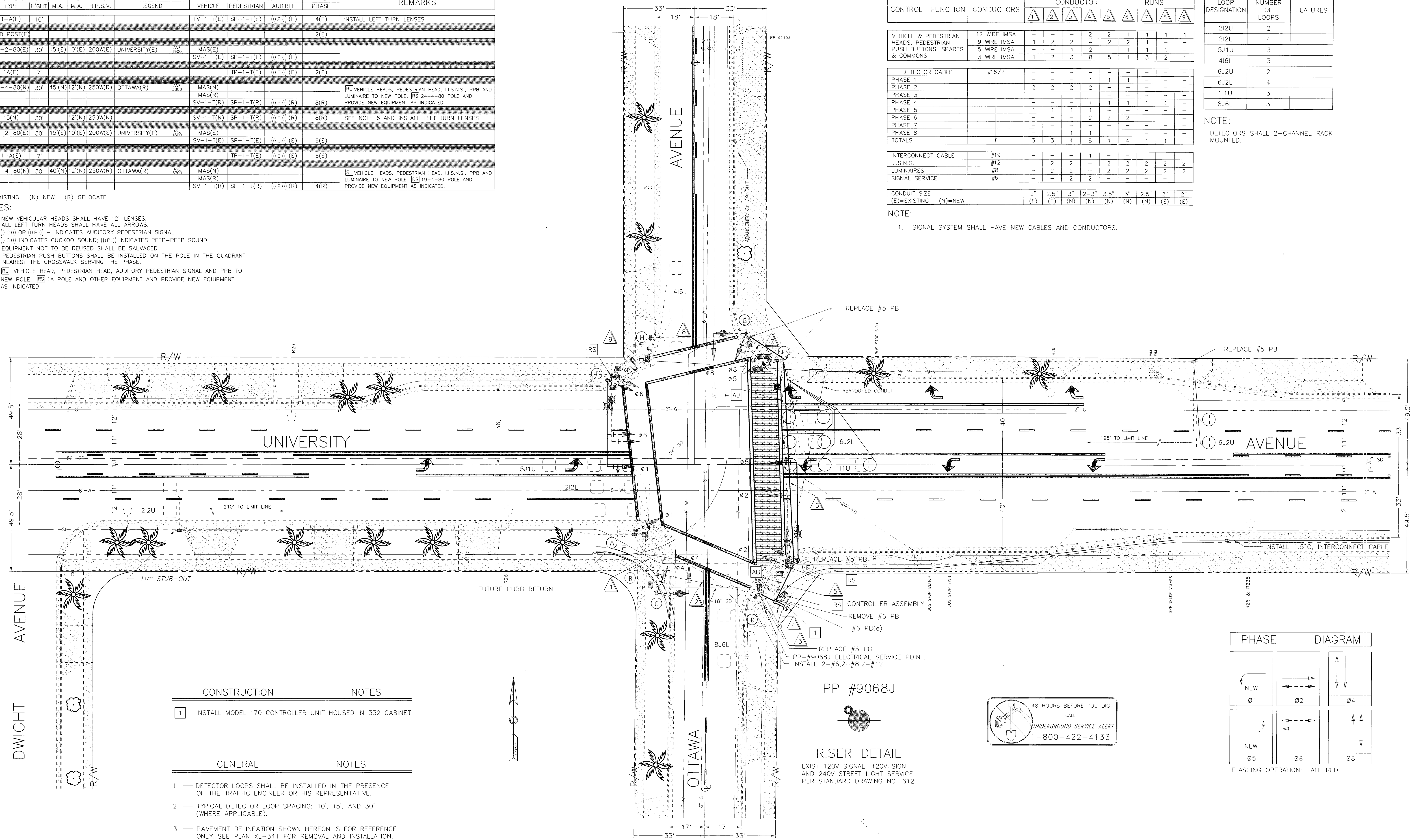
- SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS.

DETECTOR SCHEDULE

LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
212U	2	
212L	4	
5J1U	3	
416L	3	
6J2U	2	
6J2L	4	
111U	3	
8J6L	3	

NOTE:

DETECTORS SHALL 2-CHANNEL RACK MOUNTED.



CONSTRUCTION NOTES

- INSTALL MODEL 170 CONTROLLER UNIT HOUSED IN 332 CABINET.

GENERAL NOTES

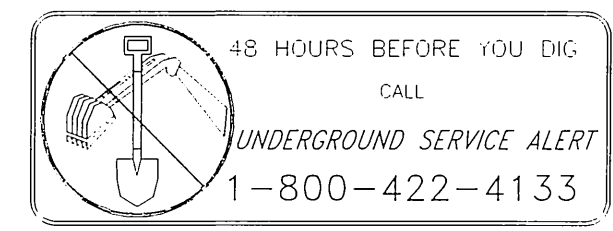
- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- TYPICAL DETECTOR LOOP SPACING: 10', 15', AND 30' (WHERE APPLICABLE).
- PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY. SEE PLAN XL-341 FOR REMOVAL AND INSTALLATION.
- ALL SIGNING, STRIPING AND PAVEMENT MARKING REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
- SEE PLAN R-3271 FOR STREET IMPROVEMENT.
- SEE PLAN XL-341 FOR INTERCONNECT INSTALLATION NOT SHOWN HEREON.

PP #9068J

REPLACE #5 PB
PP-#9068J ELECTRICAL SERVICE POINT.
INSTALL 2-#6.2-#8.2-#12.

RISER DETAIL

EXIST 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612.



ENCROACHMENT PERMIT NO. 08-95-N-MC-0240



ENGINEER IN RESPONSIBLE CHARGE
Richard D. McGrath
R.C.E. NO. 21952 EXPIRES 12-31-96
DATE 6-30-95

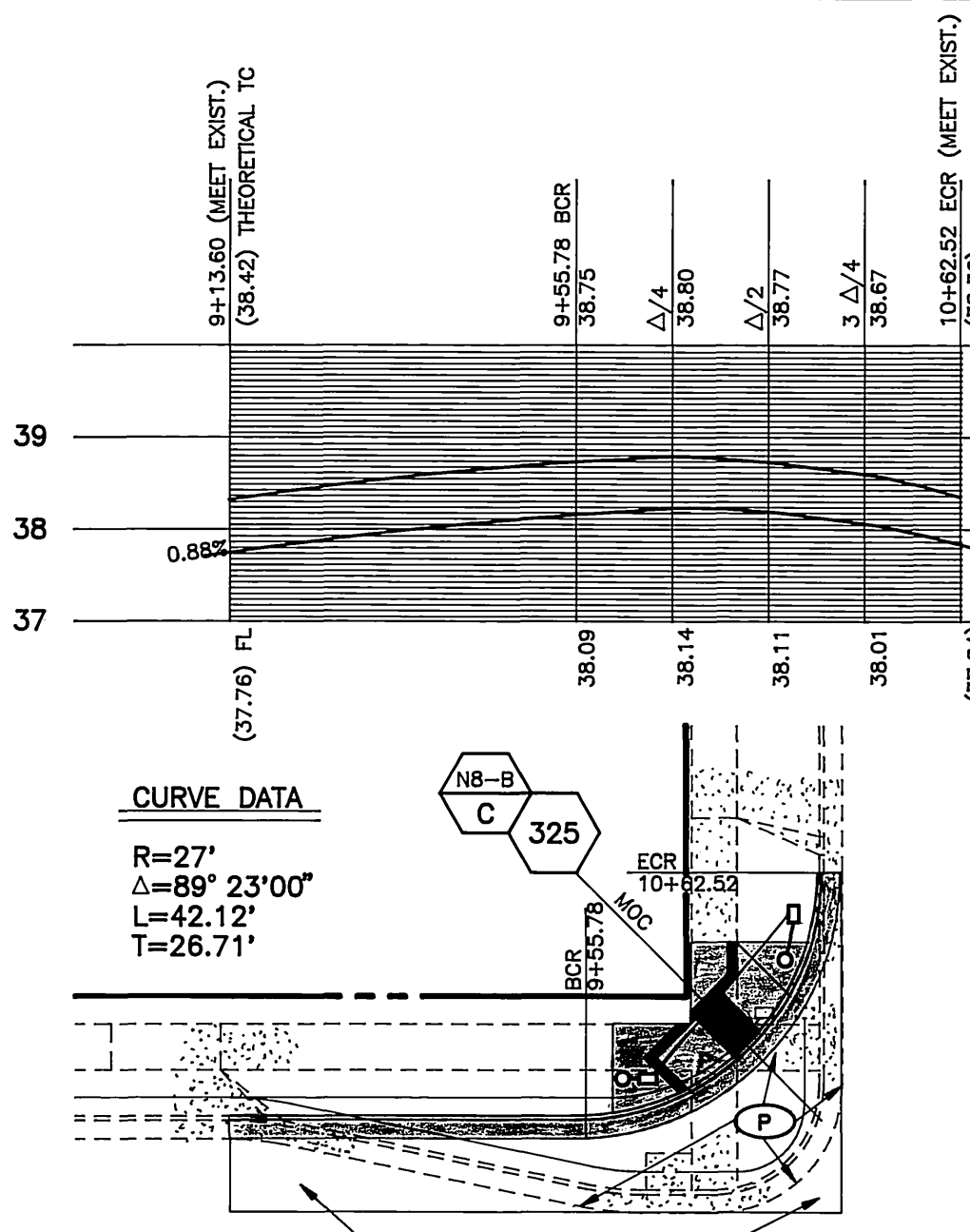
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature] DATE: 1/3/95
PRINCIPAL ENGINEER: [Signature]
P.W. INSPECTION: [Signature]
TRAFFIC DIVISION: [Signature]
CHIEF P.W. ENGR: [Signature]
PUBLIC UTILITIES: [Signature]

TRAFFIC SIGNAL REVISION
OTTAWA AVENUE AND UNIVERSITY AVENUE
SCALE: 1" = 20'

ACCT. NO. 6432-541600-440222-30304
X-129A
SHEET 1 OF 1
FILE NAME: X129A.DWG

POLE						SCHEDULE				
No.	TYPE	STANDARD HGT.	SIG. M.A.	LUM. M.A.	LUM. HPSV	I.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL MOUNTING VEHICLE	PPB	PHASE
(A)	1-A	10'					1W3C	TV-1-T	SP-1-T	4
(B)	PED POST									2
(C)	17-2-80	30'	15'	10'	200w	UNIVERSITY AVE. 1900	1W3C	MAS		
(D)	1-A	7'					1W3C	SV-1-T	SP-1-T	
(E)	24-4-80	30'	35'	15'	250w	OTTAWA AVE. 3800	1W3C	MAS		
(F)	1-A	10'					1W3C	TV-1-T	SP-1-T	8
(G)	17-2-80	30'	15'	10'	200w	UNIVERSITY AVE. 1900	1W3C	MAS		
(H)	1-A	7'					1W3C	SV-1-T	SP-1-T	6
(I)	19-4-80	30'	30'	15'	250w	OTTAWA AVE. 3700	1W3C	MAS		
							1W3C	SV-1-T	SP-1-T	4

NOTE: 1. ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
 2. LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.
 3. 1-A STANDARDS SHALL BE ALUMINUM.

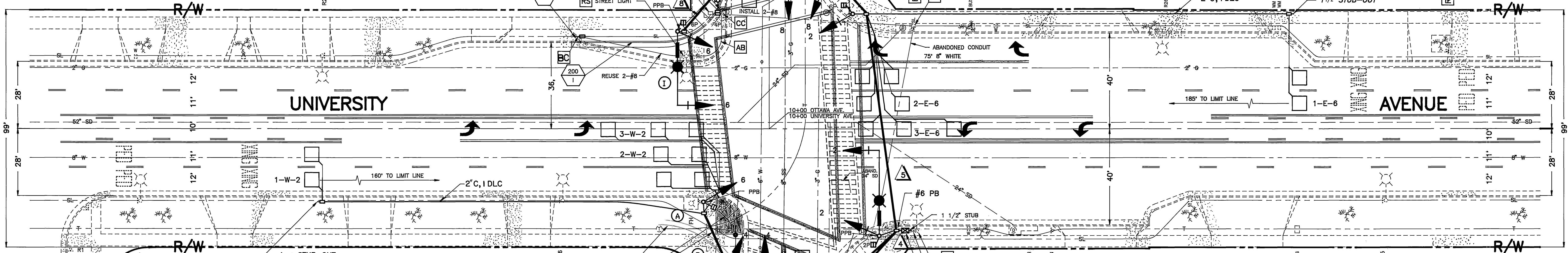


DETAIL: NORTHWEST CORNER

CONDUCTOR		SCHEDULE							
CONTROL FUNCTION	CONDUCTORS SIZE INSULATION	RUNS							
		1	2	3	4	5	6	7	8
VEHICLE HEADS	#14 T.W.								
PHASE 2									
PHASE 4									
PHASE 6									
PHASE 8									
PED. HEADS									
PHASE 2									
PHASE 4									
PHASE 6									
PHASE 8									
PED. PUSH BUTTON									
PHASE 2									
PHASE 4									
PHASE 6									
PHASE 8									
SPARES									
12V COMMON									
DETECTORS	#16/2 P.E.								
PHASE 2									
PHASE 4									
PHASE 6									
PHASE 8									
I.S.N.S.	#12 T.W.								
120V COMMON	#10 T.W.								
LUMINAIRES	#8 T.H.W.								
SIGNAL SERVICE	#8 T.H.W.								
TOTAL	#14 T.W.								
	#12 T.W.								
	#10 T.W.								
	#8 T.H.W.								
	#16/2 P.E.								
#14 EQUIV. CONDUIT SIZE									

DETECTOR SCHEDULE			
CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-W-2	2	● ■
2	2-W-2	4	★
1	3-W-2	3	
2	1-N-4	2	
1	1-E-6	2	● ■
2	2-E-6	4	★
1	3-E-6	3	
2	1-S-8	2	

- Sampling (future)
 - Call-hold (extension)
 - ★ Detector disconnect (see Special Provisions)
- Detectors shall be 2-channel rack-mounted.
 - Detector timing features shall be accomplished thru internal logic of the controller.
 - Detector loops with special features shall also detect for normal operation.

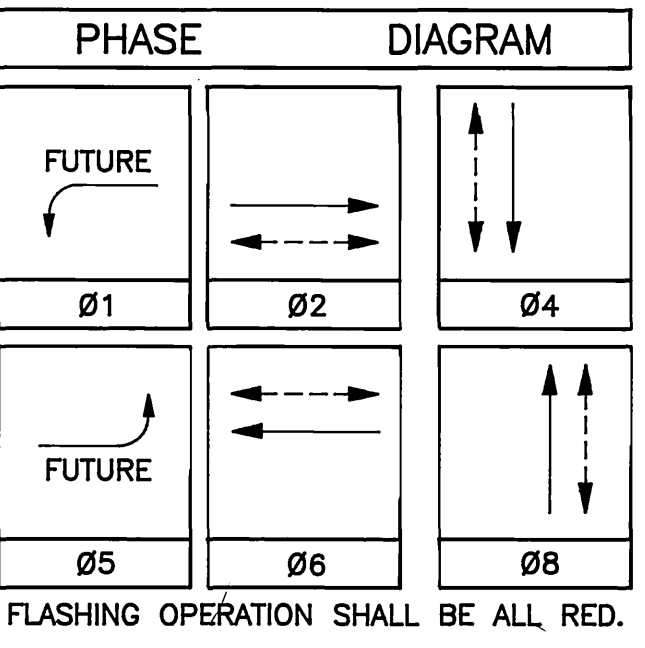


GENERAL NOTES

- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- ALL SIGNING, STRIPING AND PAVEMENT MARKING REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
- TYPICAL DETECTOR LOOP SPACING: 10'; 15'.
- LAWN SPRINKLERS EXIST IN THE PARKWAY AND BEHIND THE SIDEWALK; SEE SPECIAL PROVISIONS.

CONSTRUCTION NOTES

- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. ANY NUMBER SHOWN BELOW THE NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- 200 1 CONSTRUCT CURB AND GUTTER TYPE 1 PER STANDARD DRAWING; 8" CURB.
- NB-B C CONSTRUCT MODIFIED WHEELCHAIR RAMP PER CALTRANS STANDARD PLANS DRAWING NB-B CASE C.
- 302 CONSTRUCT PORTION OF DRIVEWAY APPROACH PER STANDARD DRAWING NO. 302.
- 304 CONSTRUCT WHEELCHAIR RAMP PER STANDARD DRAWING.
- 325 CONSTRUCT SIDEWALK PER STANDARD DRAWING.
- OL PLACE ASPHALT CONCRETE OVERLAY AS SHOWN; SPREAD TO MATCH EXISTING.
- P CONSTRUCT 4" A.C. OVER 8" C.A.B.



RISER DETAIL
PP 9068J

PP-9068J. ELECTRICAL SERVICE POINT. INSTALL 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICES PER STANDARD DRAWING NO. 612. ADDITIONAL 240V STREET LIGHT SERVICE CONDUCTORS SHALL BE PROVIDED, AS REQUIRED, FOR EXIST. STREET LIGHT CIRCUIT.

PAVEMENT DELINEATION

- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
- INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.
- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.

QUANTITIES

REMOVALS: 675 S.F.
 INSTALLATIONS: 75 L.F., 286 S.F.

CONTRACT TE-90-8

ENGINEER IN RESPONSIBLE CHARGE
 Barry Beck
 R.C.E. No. 20900 expires 9/30/93
 DATE 1/7/91

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: Barry Beck
 PRINCIPAL ENGINEER
 DATE: 1/7/91

TRAFFIC DIVISION
 CHIEF P.W. ENGR.
 DATE: 1/7/91

TRAFFIC SIGNALS
 OTTAWA AVE. AND UNIVERSITY AVE.

HORIZ. SCALE: 1" = 20'

PROJECT NO. 30-576-305-15
 X-129
 SHEET 1 OF 1
 FILE NO.